



Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

South Fork Salt River

Water Body Segment at a Glance:

Counties:	Callaway and Audrain
Nearby City:	Mexico
Length of impaired segment:	32 miles
Length of impairment within segment:	17.9 mile
Pollutant:	Low Dissolved Oxygen
Source:	None Given
Water Body ID:	0142



State Map Showing Location of Watershed

Scheduled for TMDL development: 2016

Description of the Problem

Beneficial uses of South Fork Salt River

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Whole Body Contact Recreation
- Secondary Contact Recreation

Use that is impaired

- Protection of Warm Water Aquatic Life

Standards that apply

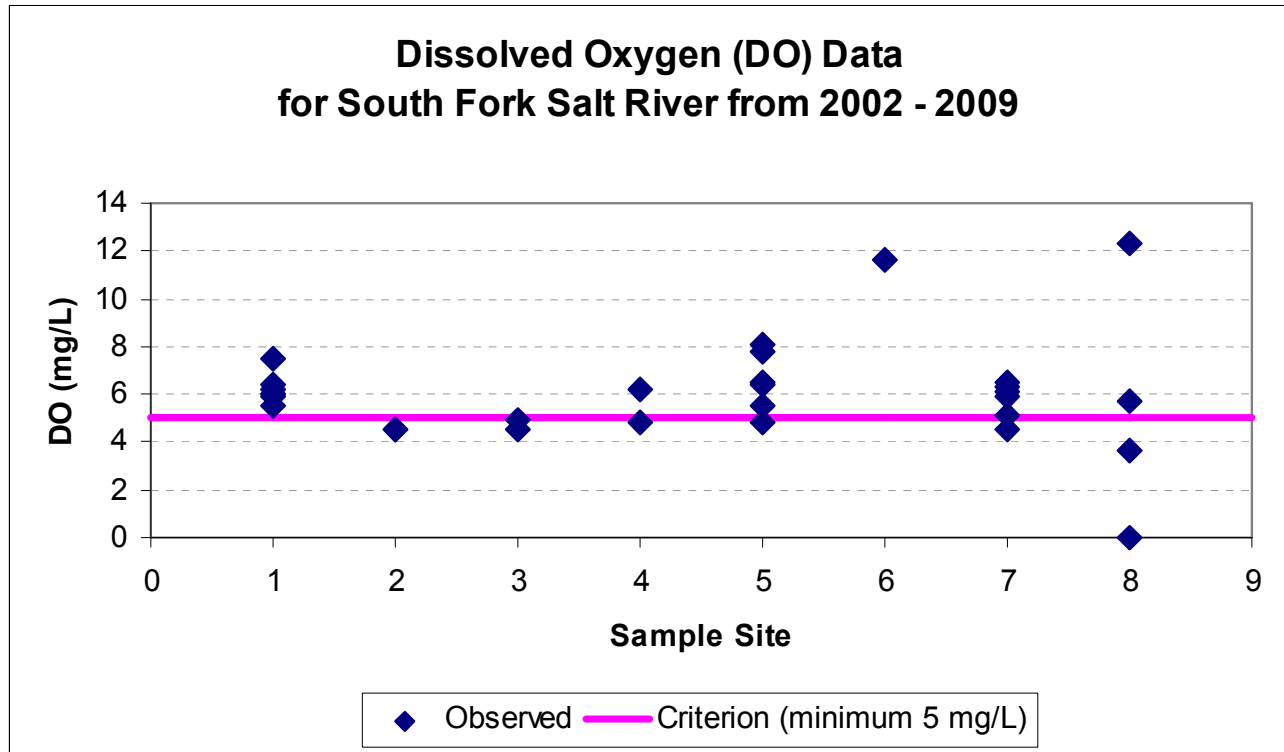
- In the Missouri Water Quality Standards, found in 10 CSR 20-7.031 Table A, the criterion for dissolved oxygen, or DO, in streams is a minimum of 5 mg/L (milligrams per liter or parts per million).

Background Information and water quality data

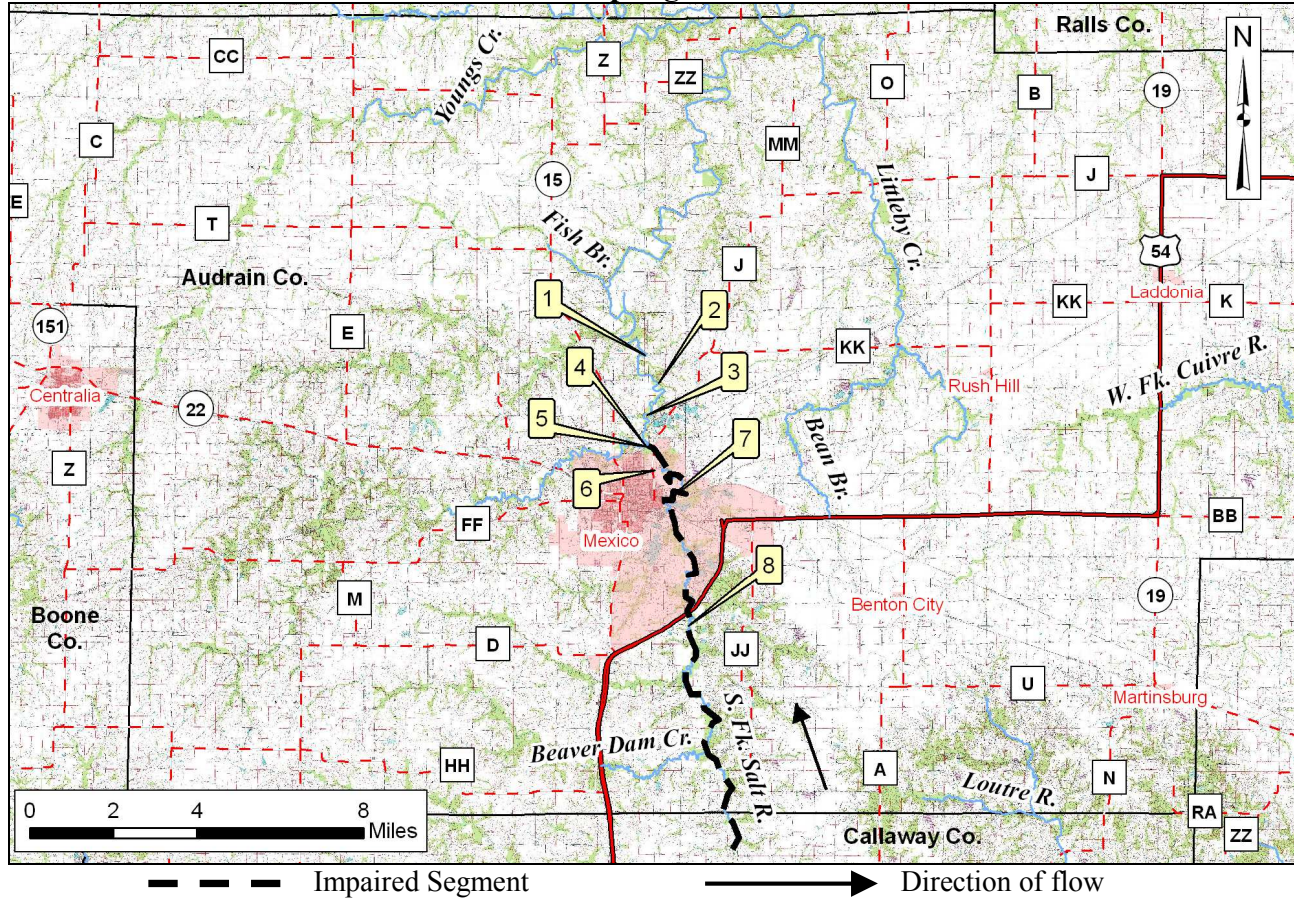
The South Fork of the Salt River flows north through Mexico, Missouri. The low dissolved oxygen impairment is based on data collected by the department in 2002, 2003, 2005, 2006 and 2008.

Water quality conditions in the South Fork Salt River are not protective of aquatic life. Dissolved oxygen is important as many aquatic organisms require high levels of oxygen to survive. For dissolved oxygen, if more than 10 percent of measurements in a water body fail to meet the water

quality criterion that water body is judged to be impaired. In the case of the South Fork Salt River, six of 15 samples (40 percent) did not meet the water quality criterion. It is not known what is causing the dissolved oxygen to be low.



Map Showing the South Fork Salt River in Callaway and Audrain counties, Mo., and the Sampling Sites



Sample Sites

- 1 – S. Fk. Salt R. (South Fork Sale River) at County Road 820
- 2 – S. Fk. Salt R. 2.3 miles above Mexico WWTP
- 3 – S. Fk. Salt R. at Hwy J
- 4 – S. Fk. Salt R. 0.9 mile below Mexico WWTP
- 5 – S. Fk. Salt R. 1 mile below Mexico WWTP
- 6 – S.Fk. Salt River 1.9 mile downstream of Mexico WWTP
- 7 – S.Fk. Salt River 3.3 mi downstream of Mexico WWTP
- 8 – S. Fk. Salt R. 4.7 miles below Mexico WWTP

WWTP = Wastewater Treatment Plant

For more information call or write:

Missouri Department of Natural Resources
 Water Protection Program

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573-522-9920 fax

Program Home Page: www.dnr.mo.gov/env/wpp/index.html